

# JSS-66P

## Polycrystalline Module



### Key Features

- Excellent module conversion efficiency of up to 17.40%.
- Up to +2% positive power output guaranteed.
- Reducing equipment loss increases the power generation in overall system.
- Loss minimization due to excellent temperature co-efficient.

- BOS cost Reduction for 1500 VDC System by connecting more modules in a string.
- Better performance even at low irradiance condition.
- Higher specific yield.

### Quality & Reliability

- Manufactured in an ISO 9001:2015, ISO 14001:2015, certified facility
- Certified with IEC & BIS.
- Manufactured using high grade raw materials from reputed international suppliers adopting a stringent quality criteria.
- PID resistant (IEC 62804).

- Salt mist and ammonia corrosion resistant. (IEC 61701 & IEC 62716).
- IP67/IP68 rated junction box for long-term weather endurance.
- 25 years output warranty.
- Certified for hail resistance.

### Technical Data for JSS-66P -Polycrystalline Module

#### Electrical Parameter at STC

Module Type	JSS-60P		
Capacity rating – Pmax(Wp)	300	305	310
Power Tolerance (%)	0 - 2	0 - 2	0 - 2
Module efficiency (%)	16.84	17.12	17.40
Rated voltage – Vmp(V)	34.42	34.72	34.95
Rated current – Imp(A)	8.73	8.8	8.87
Open circuit voltage – Voc(V)	42.80	43.10	43.30
Short circuit current – Isc(A)	9.09	9.15	9.22

Under Standard Test Conditions (STC) of irradiance 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C. Except Pmax, all other parameters have a tolerance of ±3%.

#### Electrical Parameter at NOCT

Capacity rating – Pmax(Wp)	223.30	227.05	230.37
Rated voltage – Vmp(V)	31.87	32.15	32.36
Rated current – Imp(A)	7.01	7.06	7.12
Open circuit voltage – Voc	40.00	40.28	40.47
Short circuit current – Isc(A)	7.33	7.38	7.44

NOCT irradiance of 800 W/m<sup>2</sup>, ambient temperature of 20°C, Wind speed 1m/sec

### Guarantees and certifications

Product warranty**	10 years
Performance guarantee**	Limited warranty for power output :- 90% for 10 years and 80% for 25 years
Product Certificates	IEC 61215, IEC 61730, IEC 61701, IEC 62716, CE, BIS

#### Mechanical Specification

Solar cells	66 pcs Polycrystalline Silicon, 5BB/4BB
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate)
Backside	UV protected reflective backsheet
Frame	Silver Anodized Aluminium Alloy (screwless)
Front glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Dimensions	(L)1800 mm x (W)990 mm x (H)35 mm
Weight	20.2kg
J-box	IP67/IP68 certified 4-rail, 3 diodes junction box
Cable	Solar cable 400mm to 1200 mm length, 4 mm <sup>2</sup>
Connectors	MC4 compatible connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Surface load	(snow load 5400 Pa, wind load 2400 Pa).

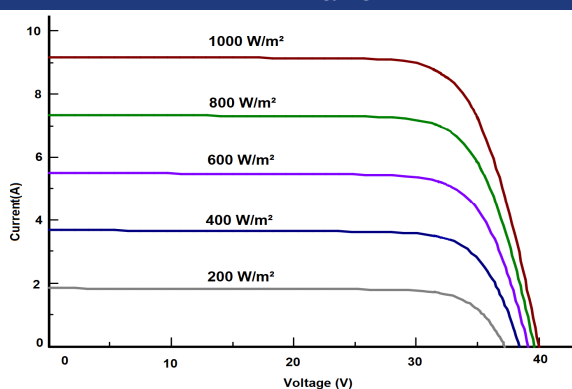
#### Temperature Coefficients (TC)

Temperature Coefficient (Voc)	-0.30% /°C
Temperature Coefficient (Isc)	0.05% /°C
Temperature Coefficient (Pmax)	-0.38% /°C

#### Permissible Operating Conditions

Temperature range	-40°C to + 85°C
Maximum system voltage	1500/1000 VDC
NOCT	45± 2°C
Hail resistance	Maximum diameter of 25 mm with velocity 23 m/s

#### IV Curve



- For handling & installation instructions refer Joint Solar Installation Manual
- Before placing order confirm your requirement with our sales representative.
- The electrical data given here is for reference purpose only.
- Dispose-off the product as E-Waste after end of its working life.
- \*\* Refer to Joint Solar's warranty document for terms and conditions.
- Due to constant product modifications, Joint Solar reserves the right to amend the above specifications without prior notice.

Container	20' GP	40' HC
Pallets/ container	12	28
Modules/ Container	360	840

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#### Drawing (Measurements are in mm)

